

Assignment: 09

Aim: a) write php scripts to demonstrate User defined functions.

Code:

```
<html>
<head></head>
<body>
<!-- User defined functions -->
<?php
//function with arguments
function add($no1, $no2){
echo $no1+$no2;
}
add(10,20);
echo "<br>";

//function with default argument value
function welcome($user="Guest"){
echo "Hello $user <br>";
}
welcome("admin");
welcome();

//function with variable number of arguments
function addition(...$numbers){
$tl=0;
foreach ($numbers as $num){
$tl=$tl+$num;
}
return $tl;
}
$total=addition(3,5,7);
echo "total= $total <br>";

//function within another function
function hello(){
echo "Hello <br>";
function welcomemsg(){
echo "This is function within another function script <br>";
}
}
hello();
welcomemsg();

//Recursive function
```

```

function factorial($n){
    if ($n < 2) {
        return 1;
    } else {
        return ($n * factorial($n-1));
    }
}
echo "factorial(5) = ". factorial(5);
?>
</body>
</html>

```

Output:



```

30
Hello admin
Hello Guest
total= 15
Hello
This is function within another function script
factorial(5) = 120

```

(b) write php scripts to understand \$_SERVER.

Code:

```

<!DOCTYPE html>
<html lang="en">
<head></head>
<body>
<?php
    echo $ _SERVER['PHP_SELF'];//Returns the filename of the currently executing
    script echo "<br>";
    echo $ _SERVER['SERVER_NAME'];//Returns the name of the host server
    echo "<br>";
    echo $ _SERVER['HTTP_HOST'];//Returns the Host header from the current
    request echo "<br>";
    echo $ _SERVER['HTTP_USER_AGENT'];//header from the current request, if there is
    one.
    echo "<br>";
    echo $ _SERVER['SCRIPT_NAME'];//Returns the path of the current
    script echo "<br>";

```

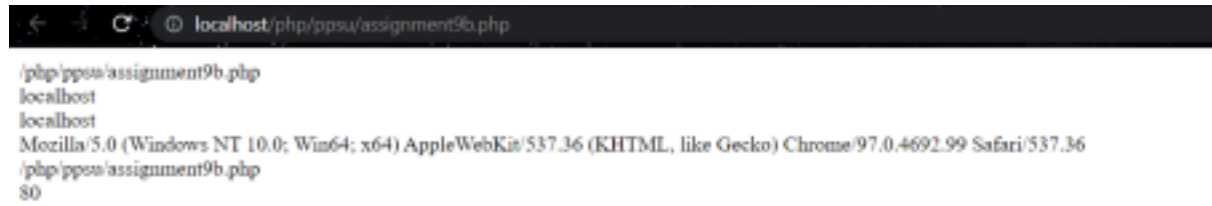
```
echo $ SERVER['SERVER_PORT'];//Returns the port
```

```
?>
```

```
</body>
```

```
</html>
```

Output:



A screenshot of a web browser window. The address bar shows 'localhost/php/ppsu/assignment9b.php'. The page content displays the output of a PHP script, which includes the file path, the hostname 'localhost', the browser's user agent string, and the port number '80'.

```
/php/ppsu/assignment9b.php  
localhost  
localhost  
Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/97.0.4692.99 Safari/537.36  
/php/ppsu/assignment9b.php  
80
```